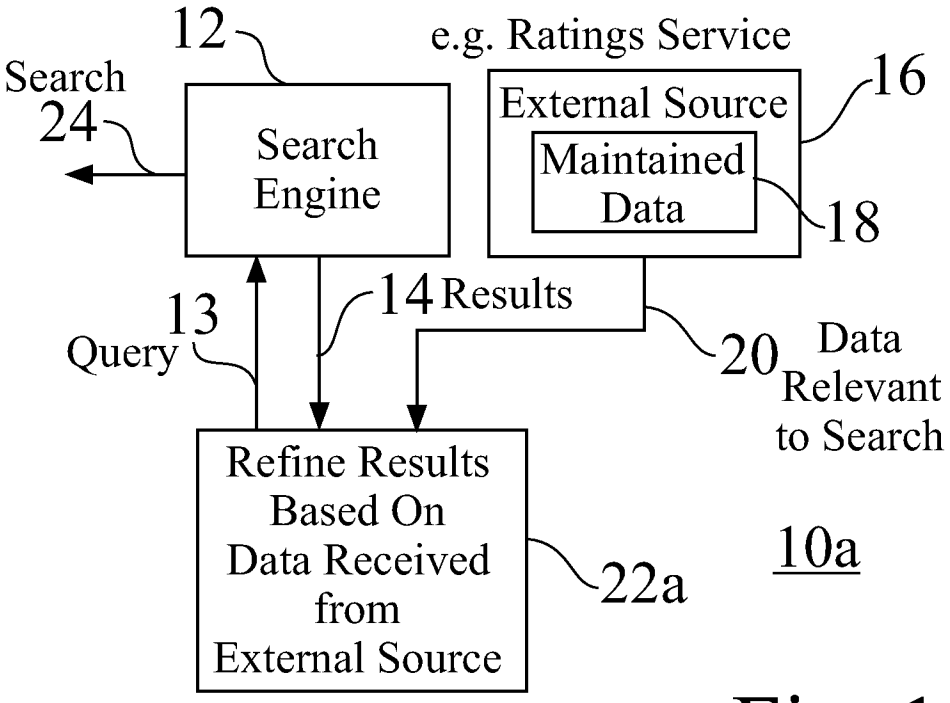
12
e.g. Ratings Service
Search
24
Search Engine
External Source
16
Maintained Data
18
13
Query
14
Results
20
Data Relevant to Search
Refine Results Based On Data Received from External Source
22a
10a

Fig. 1

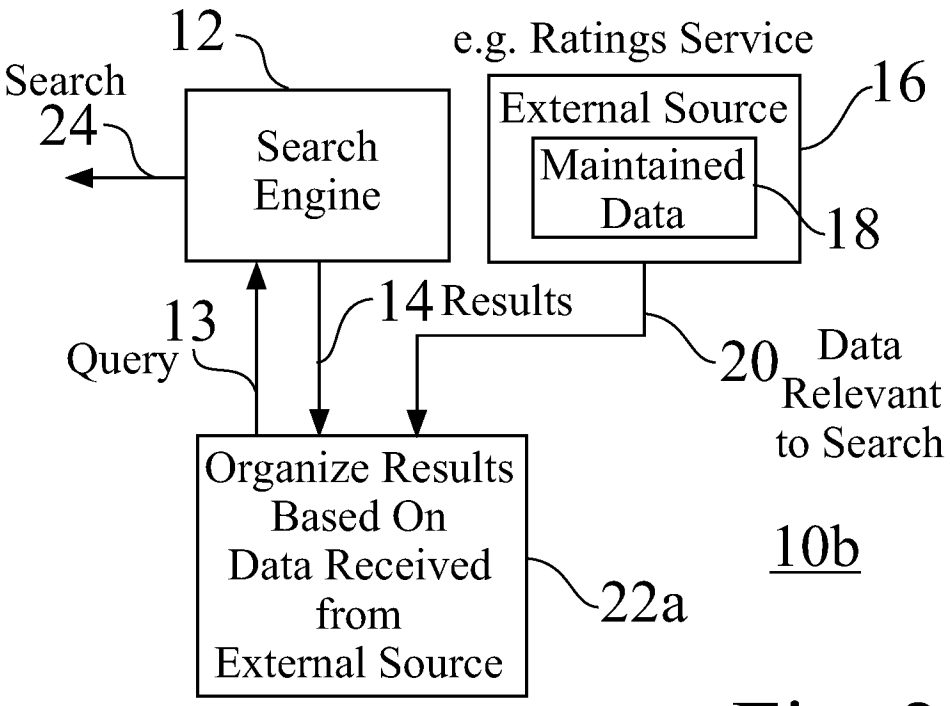
12
e.g. Ratings Service
Search
24
Search Engine
External Source
16
Maintained Data
18
13
Query
14
Results
20
Data Relevant to Search
Organize Results Based On Data Received from External Source
22a
10b

Fig. 2

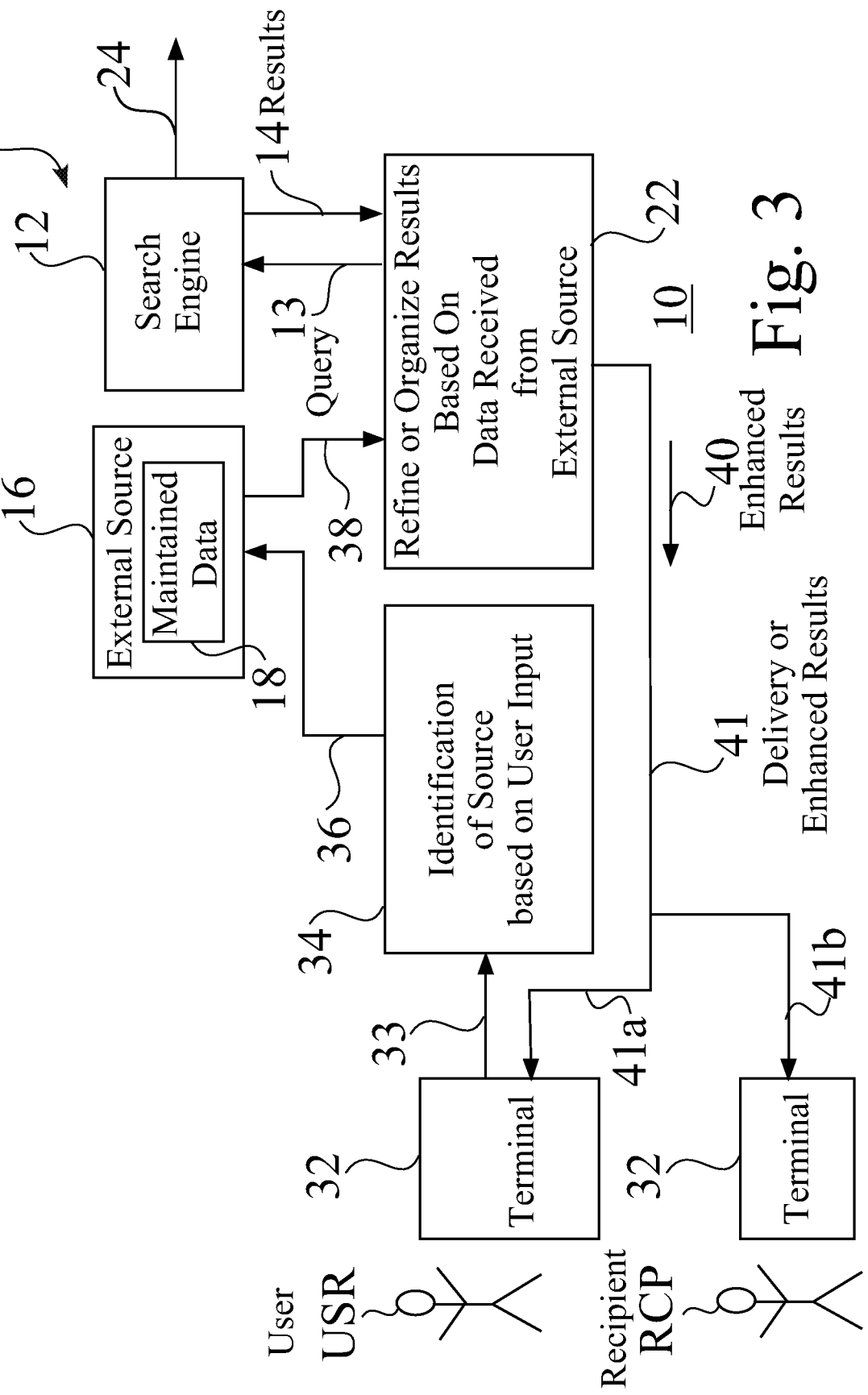
30
12
Search Engine
24
14 Results
13 Query
16
External Source
Maintained Data
18
38
Refine or Organize Results Based On Data Received from External Source
22
10
40 Enhanced Results
34
36
Identification of Source based on User Input
41 Delivery or Enhanced Results
33
41a
41b
32
Terminal
32
Terminal
User
USR
Recipient
RCP

Fig. 3

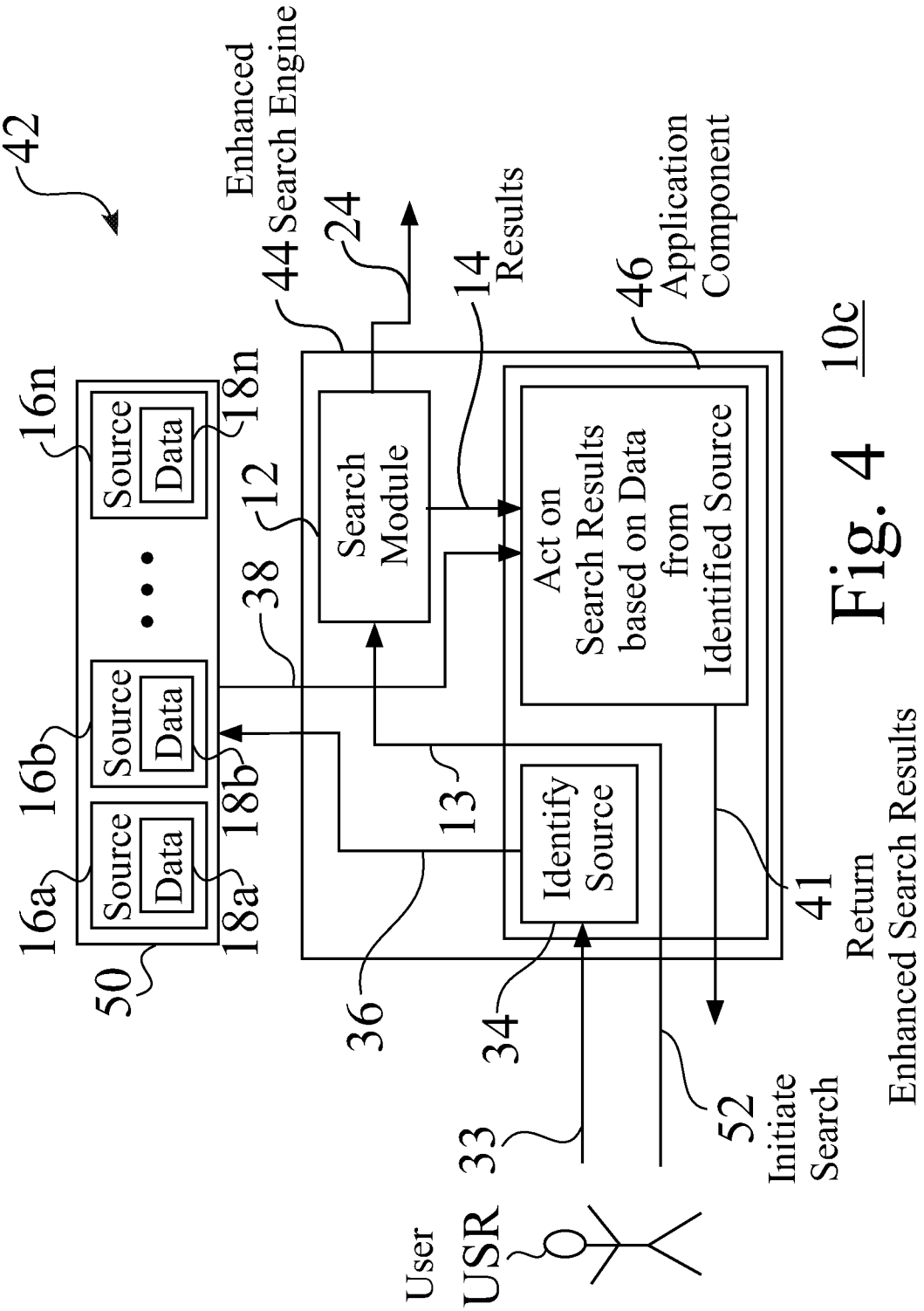
42
Enhanced Search Engine
44
24
14 Results
46 Application Component
16n
18n
12
Search Module
Act on Search Results based on Data from Identified Source
38
16b
18b
13
16a
18a
Identify Source
50
36
34
41 Return Enhanced Search Results
User
USR
33
52 Initiate Search
Source
Data

Fig. 4 10c

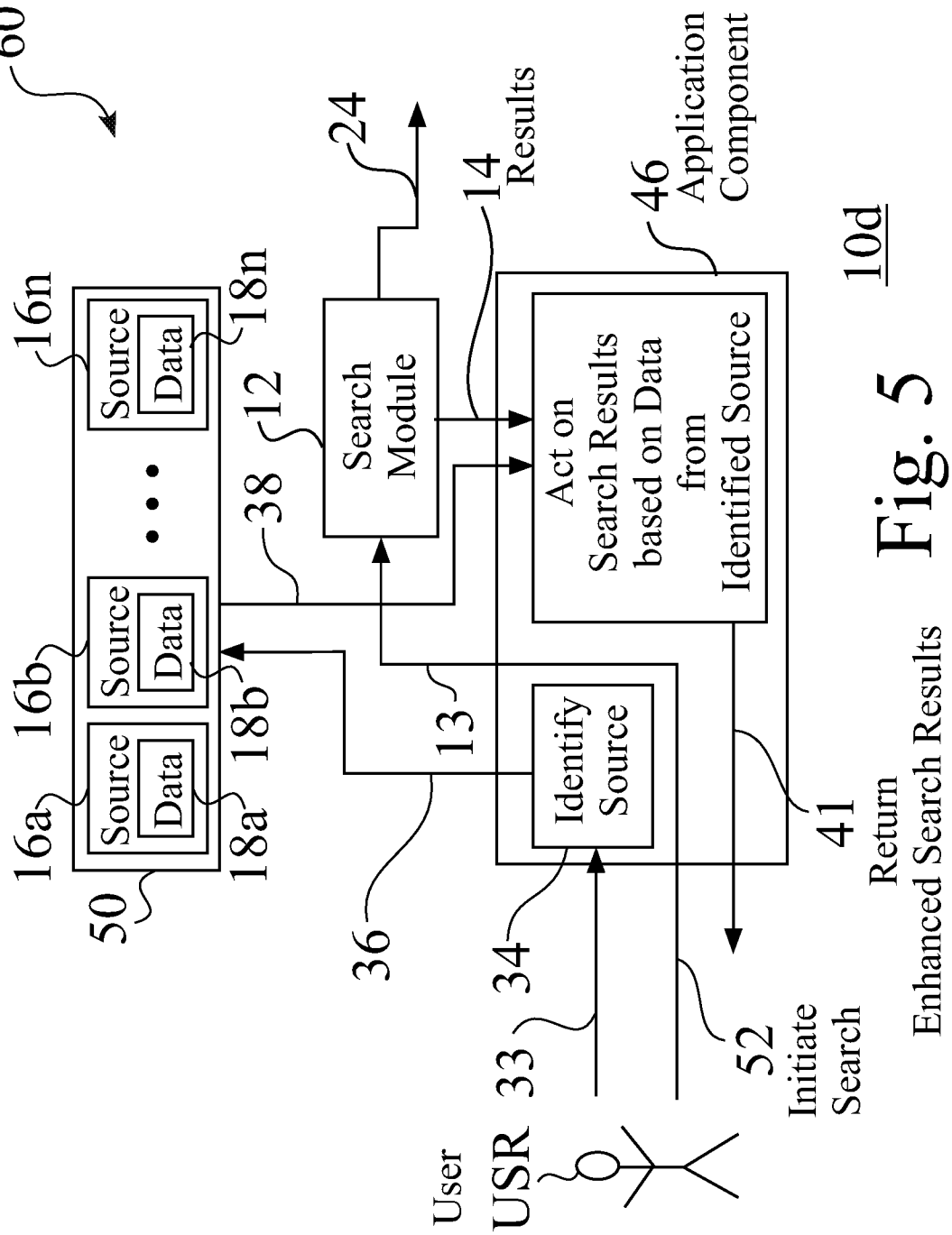
60
16n
18n
Source
Data
16b
18b
16a
18a
50
38
12
Search Module
24
14
Results
46
Application Component
Act on Search Results based on Data from Identified Source
13
Identify Source
36
34
41
Return Enhanced Search Results
User
USR
33
52
Initiate Search
10d

Fig. 5

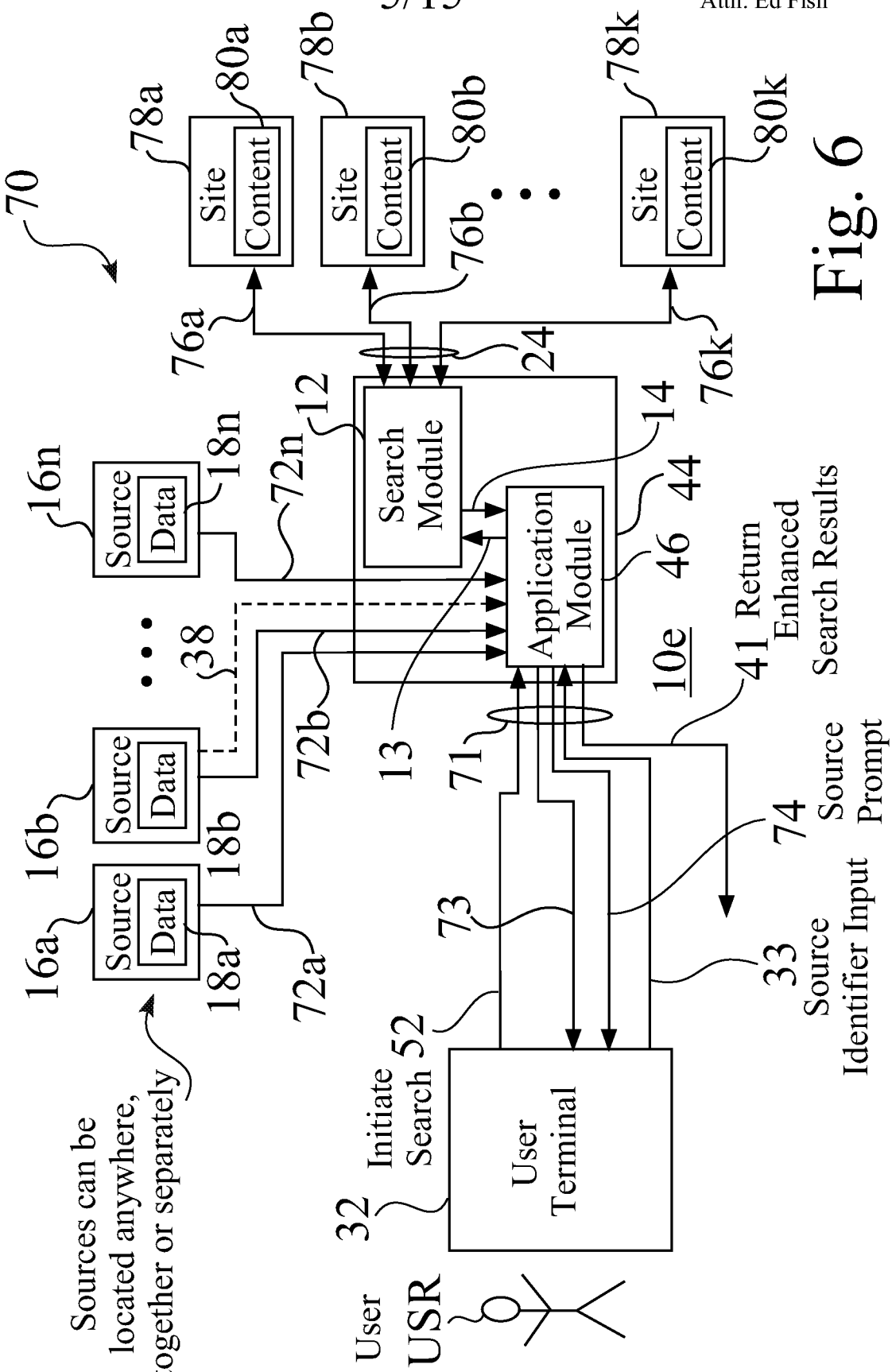
70
78a
80a
Site
Content
78b
80b
78k
80k
76a
76b
76k
24
12
Search Module
14
16n
Source
Data
18n
72n
16b
18b
72b
38
16a
18a
72a
13
71
Application Module
44
46
10e
41 Return Enhanced Search Results
74 Source Prompt
73
33 Source Identifier Input
52 Initiate Search
32
User Terminal
User
USR
Sources can be located anywhere, together or separately

Fig. 6

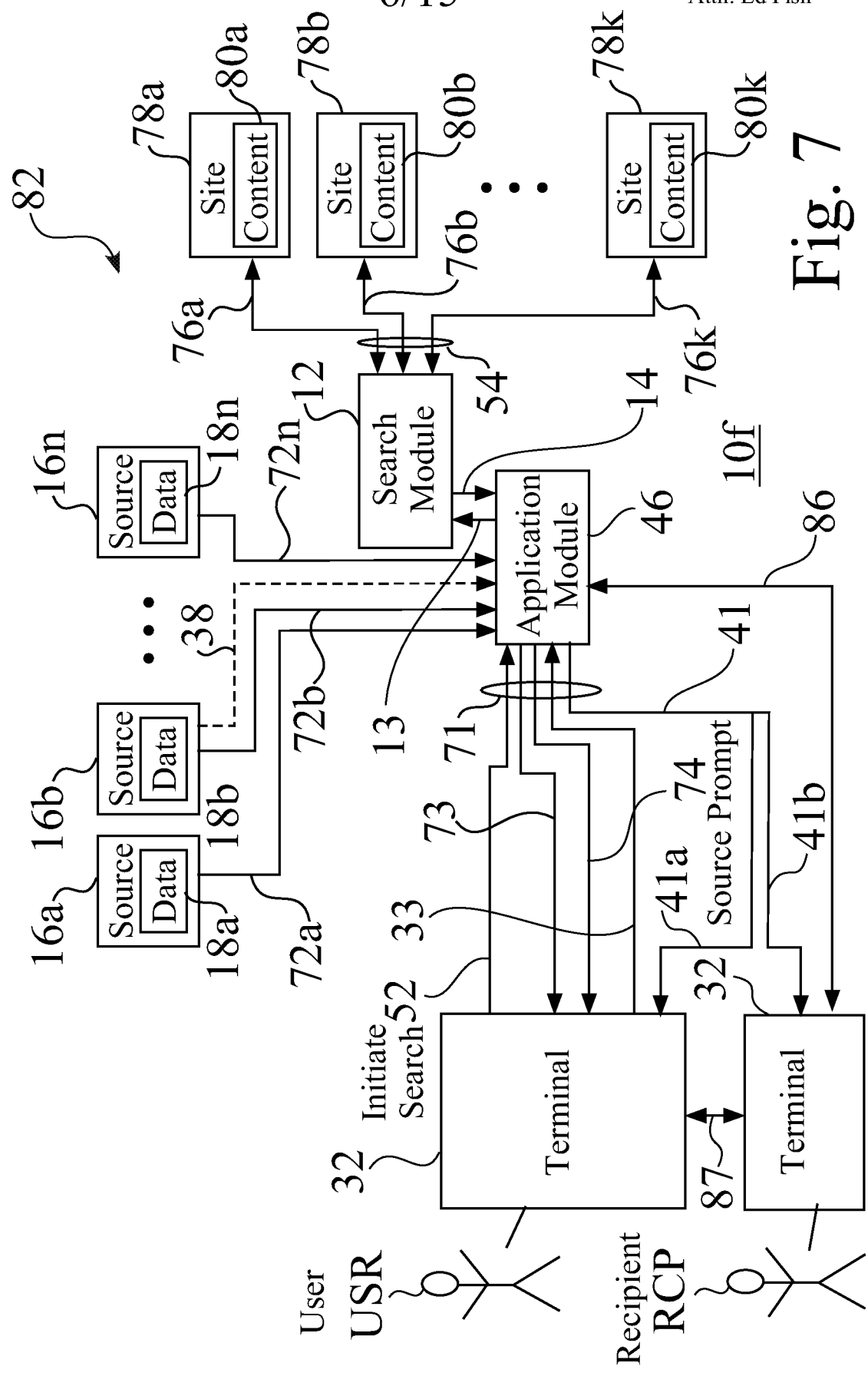
82
78a
80a
Site
Content
78b
80b
78k
80k
76a
76b
76k
54
12
Search Module
14
16n
Source
Data
18n
72n
10f
46
Application Module
86
38
16b
18b
72b
13
71
41
16a
18a
72a
73
74
Source Prompt
33
41a
41b
32
52
Initiate Search
Terminal
87
User
USR
Recipient
RCP

Fig. 7

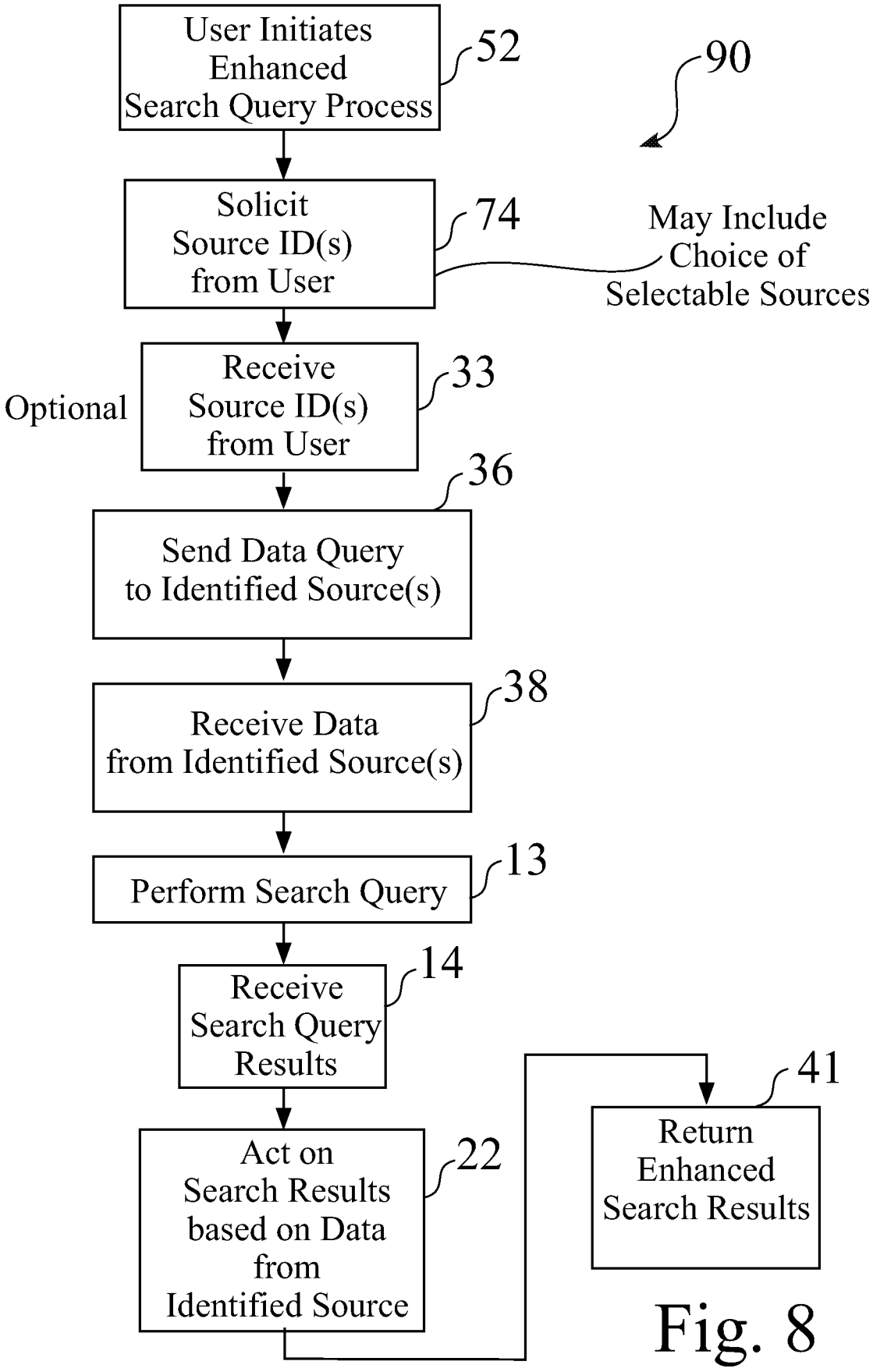
User Initiates Enhanced Search Query Process
52
90
Solicit Source ID(s) from User
74
May Include Choice of Selectable Sources
Optional
Receive Source ID(s) from User
33
Send Data Query to Identified Source(s)
36
Receive Data from Identified Source(s)
38
Perform Search Query
13
Receive Search Query Results
14
Act on Search Results based on Data from Identified Source
22
Return Enhanced Search Results
41

Fig. 8

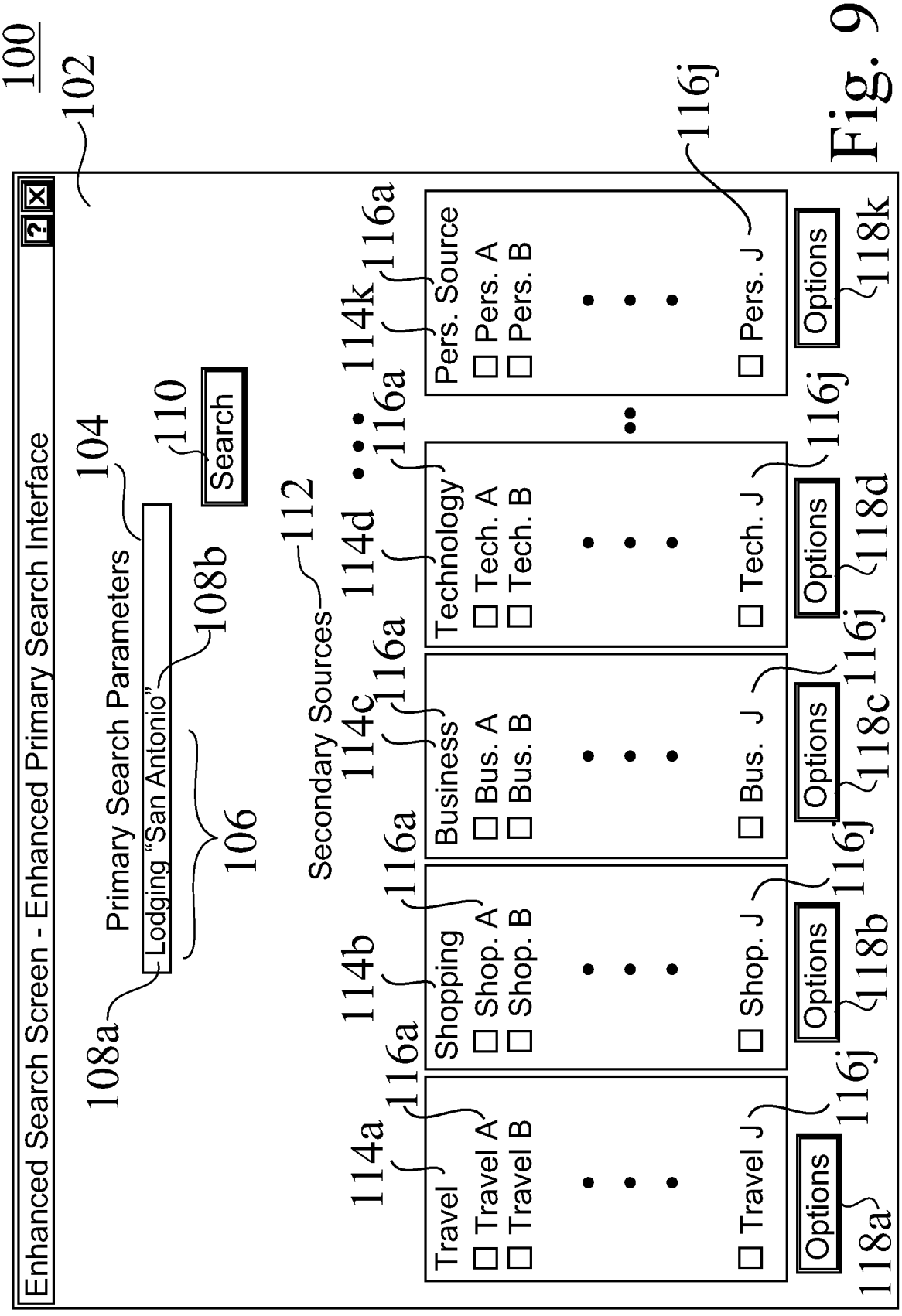
100
102
Enhanced Search Screen - Enhanced Primary Search Interface
Primary Search Parameters
104
108a
Lodging "San Antonio"
108b
106
110
Search
Secondary Sources
112
Travel
Travel A
Travel B
Travel J
114a
116a
116j
Shopping
Shop. A
Shop. B
Shop. J
114b
Business
Bus. A
Bus. B
Bus. J
114c
Technology
Tech. A
Tech. B
Tech. J
114d
Pers. Source
Pers. A
Pers. B
Pers. J
114k
Options
118a
118b
118c
118d
118k

Fig. 9

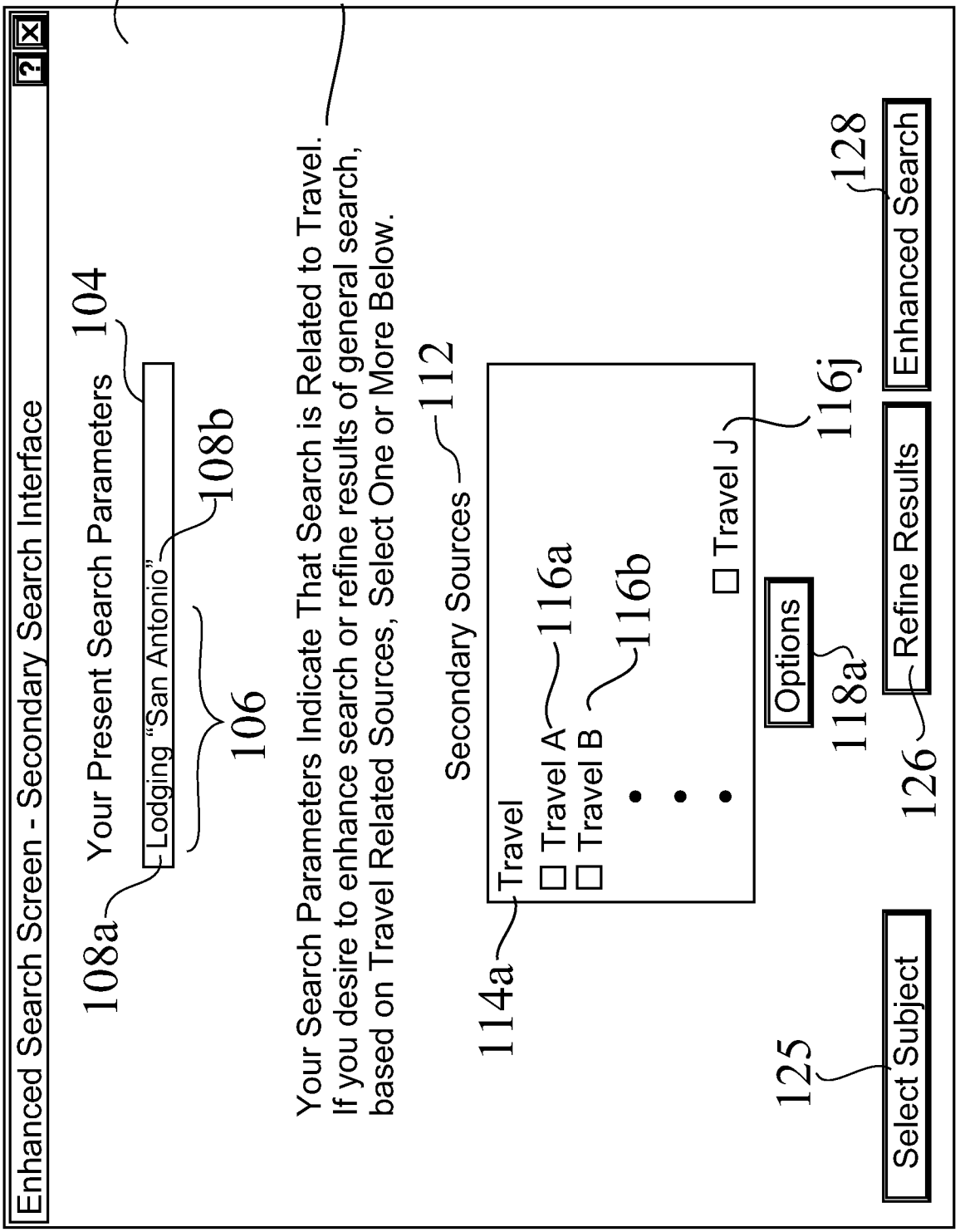
Enhanced Search Screen - Secondary Search Interface
122
Your Present Search Parameters
104
108a
Lodging "San Antonio"
108b
106
Your Search Parameters Indicate That Search is Related to Travel.
If you desire to enhance search or refine results of general search,
based on Travel Related Sources, Select One or More Below.
124
Secondary Sources
112
114a
Travel
Travel A
116a
Travel B
116b
Travel J
116j
Options
118a
125
Select Subject
126
Refine Results
128
Enhanced Search
120

Fig. 10

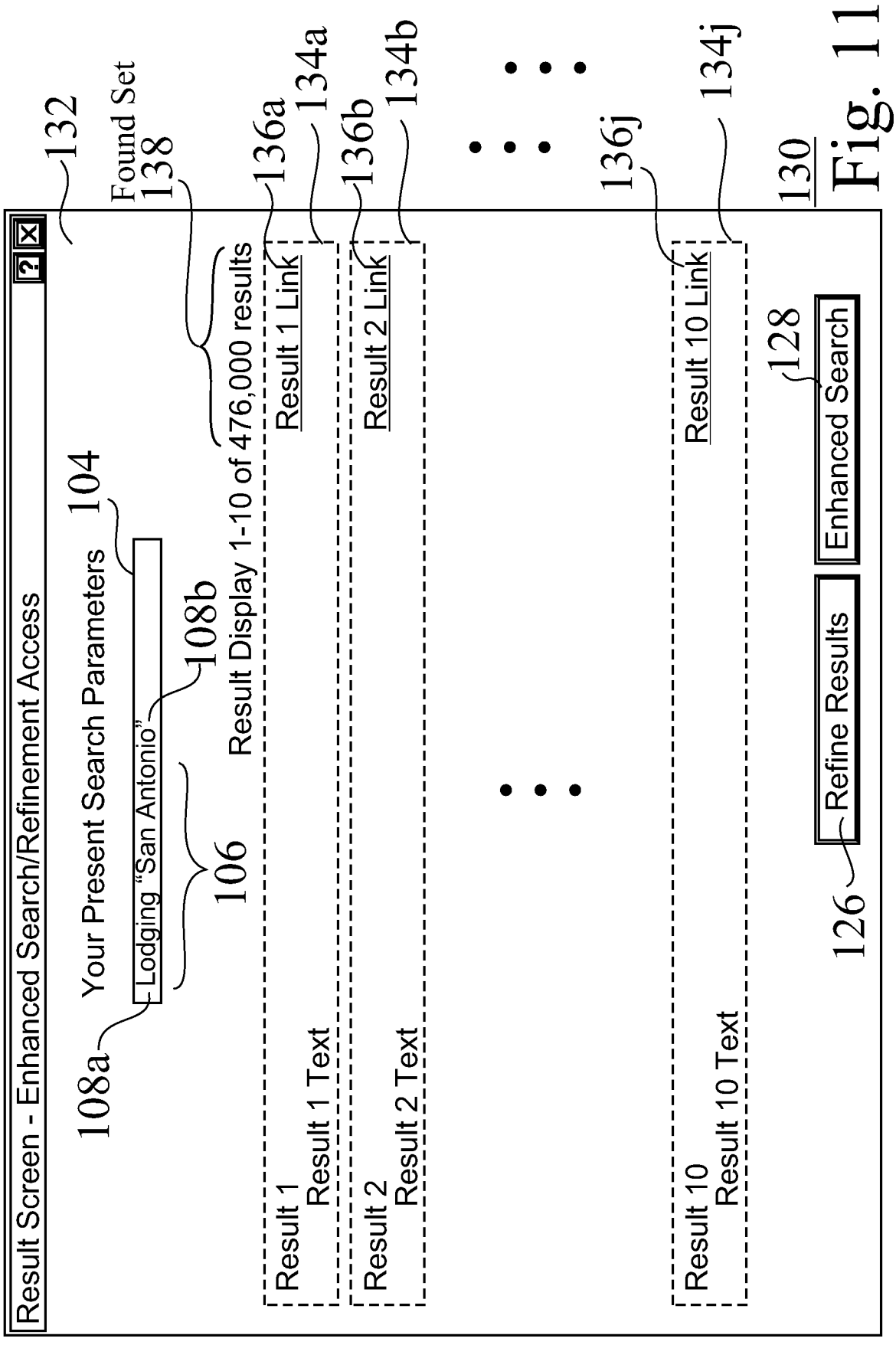
Result Screen - Enhanced Search/Refinement Access
132
Found Set
138
Your Present Search Parameters
104
108a
Lodging "San Antonio"
108b
106
Result Display 1-10 of 476,000 results
136a
134a
Result 1 Link
Result 1
Result 1 Text
136b
134b
Result 2 Link
Result 2
Result 2 Text
136j
134j
Result 10 Link
Result 10
Result 10 Text
130
128
Refine Results
Enhanced Search
126

Fig. 11

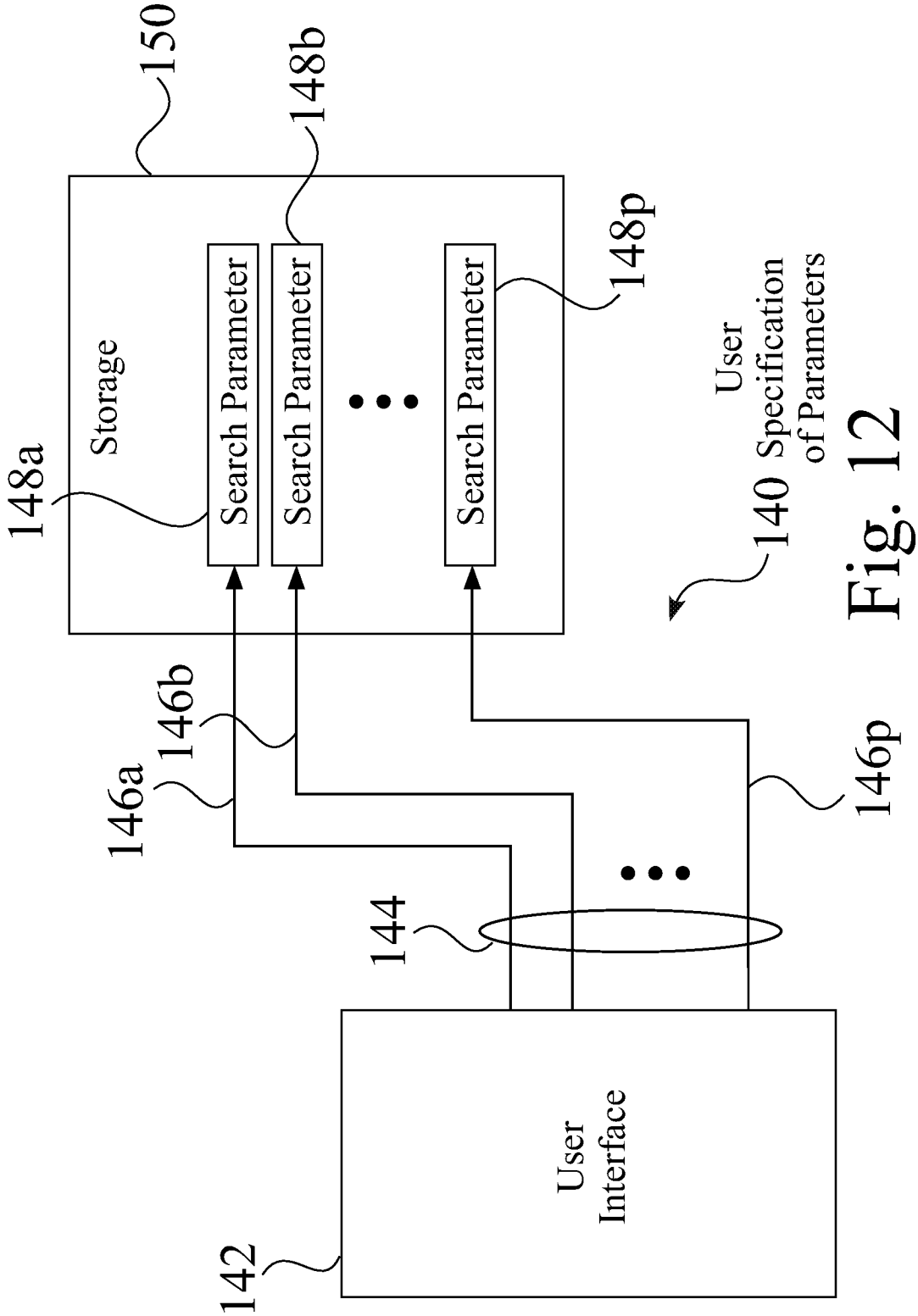
150
148b
148a
Storage
Search Parameter
Search Parameter
Search Parameter
148p
User
140 Specification
of Parameters
146b
146a
146p
144
User
Interface
142

Fig. 12

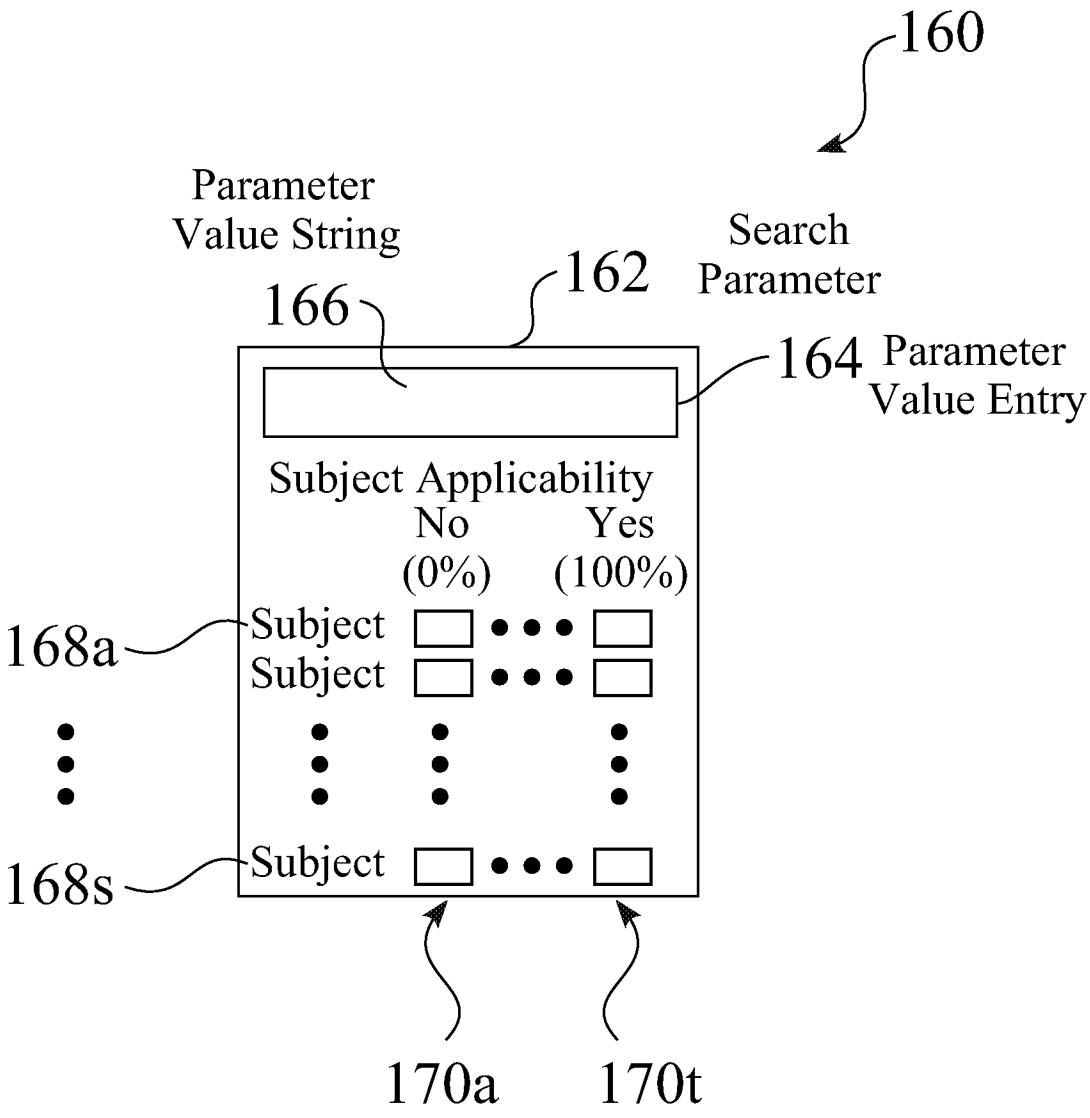
160
Parameter
Value String
166
162
Search
Parameter
164
Parameter
Value Entry
Subject Applicability
No
(0%)
Yes
(100%)
168a
Subject
Subject
168s
Subject
170a
170t

Fig. 13

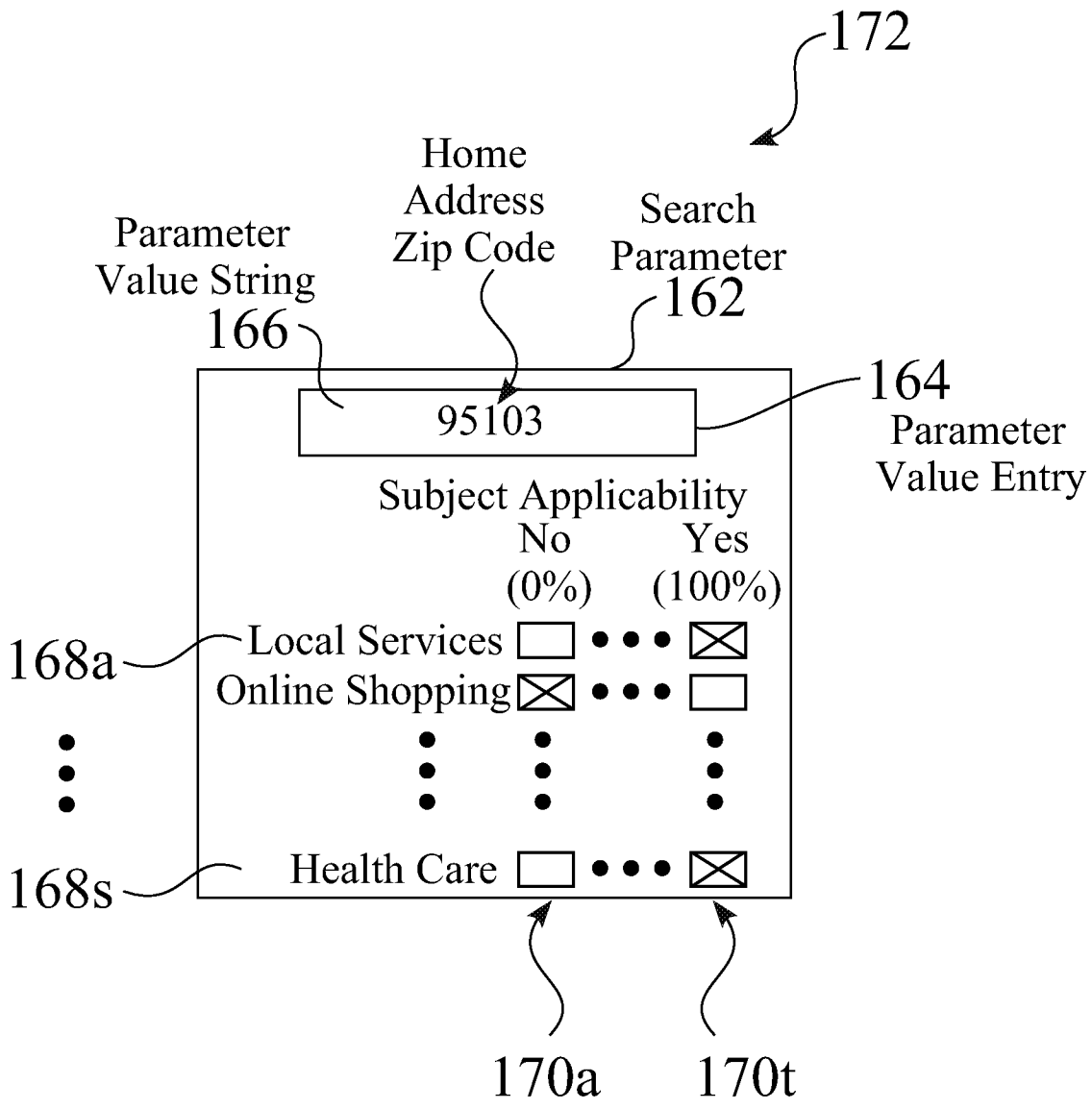
172
Home
Address
Zip Code
Search
Parameter
Parameter
Value String
166
162
164
Parameter
Value Entry
95103
Subject Applicability
No
(0%)
Yes
(100%)
168a
Local Services
Online Shopping
168s
Health Care
170a
170t

Fig. 14

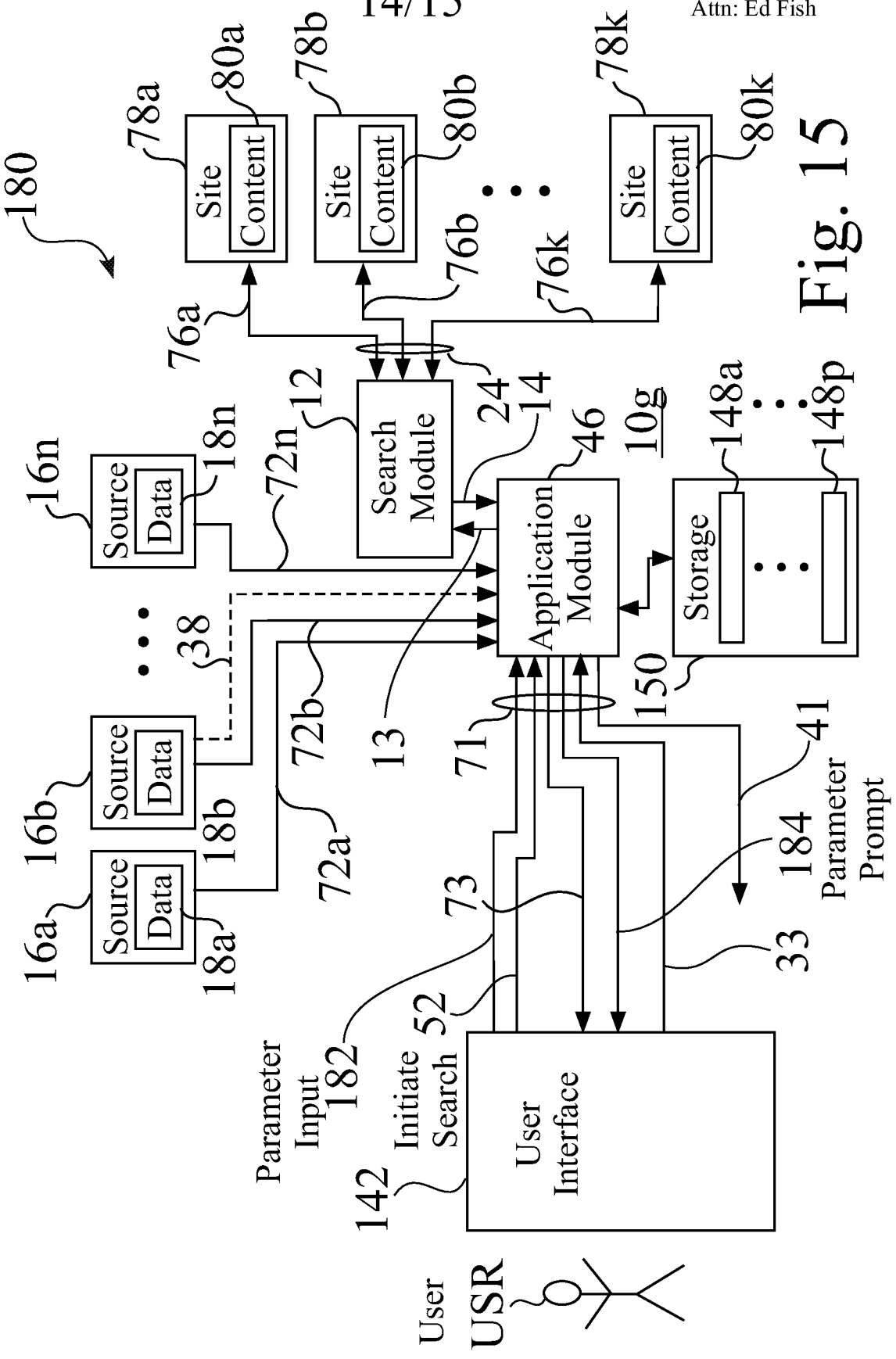
180
78a
80a
Site
Content
78b
80b
Site
Content
78k
80k
Site
Content
76a
76b
76k
12
Search Module
24
14
46
Application Module
10g
148a
148p
Storage
16n
Source
Data
18n
72n
16b
18b
72b
16a
18a
72a
38
13
71
150
41
Parameter Prompt
184
73
33
52
Parameter Input
182
Initiate Search
142
User Interface
User
USR

Fig. 15

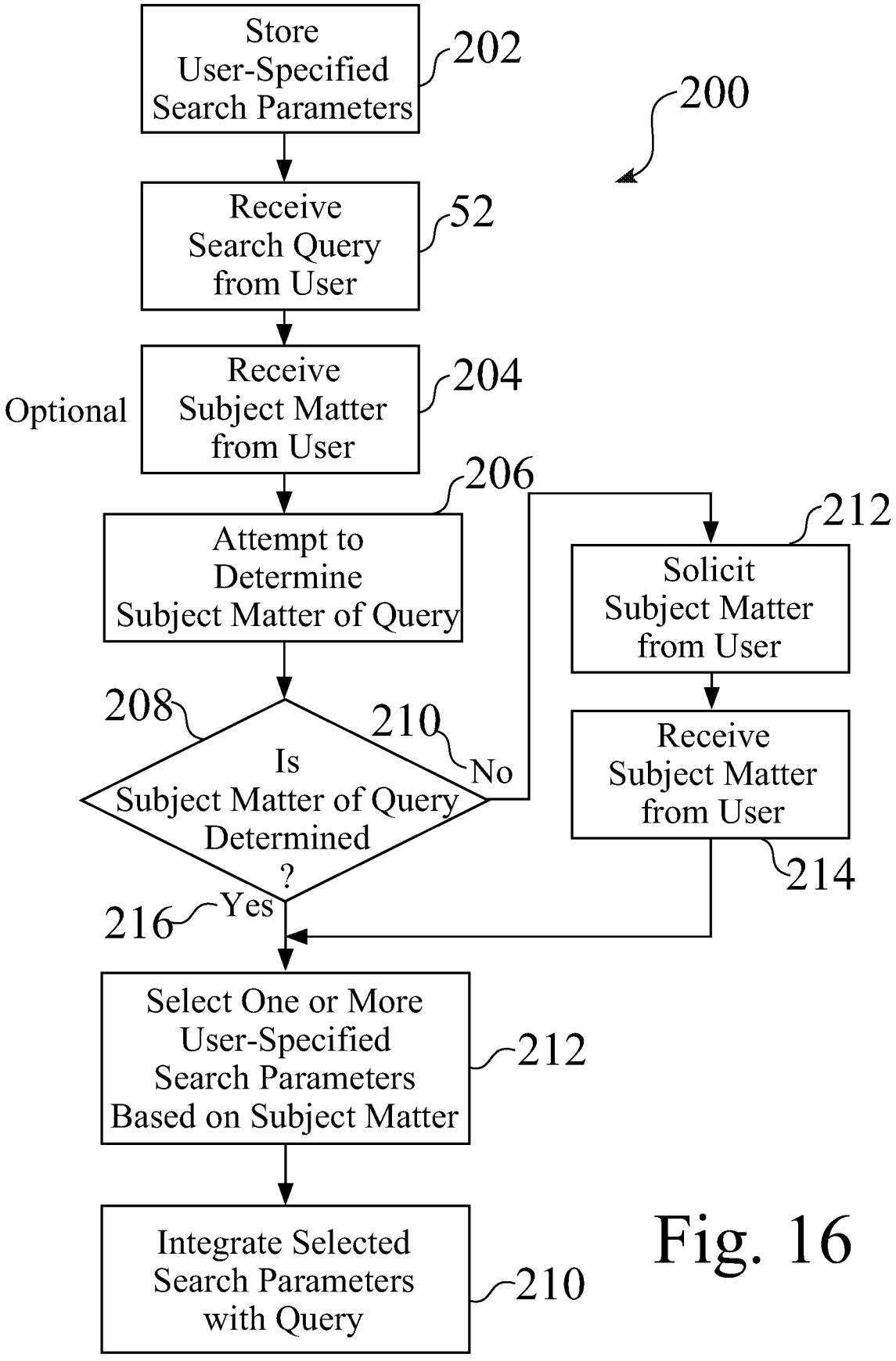
Store User-Specified Search Parameters
202
200
Receive Search Query from User
52
Optional
Receive Subject Matter from User
204
206
Attempt to Determine Subject Matter of Query
212
Solicit Subject Matter from User
208
210
No
Is Subject Matter of Query Determined ?
Receive Subject Matter from User
214
216
Yes
Select One or More User-Specified Search Parameters Based on Subject Matter
212
Integrate Selected Search Parameters with Query
210

Fig. 16